

Total Recoverable Phenolics by Flow Injection Colorimetry- LATCHAT QuickChem Method 10-210-00-1-B					
Facility Name: _____					VELAP ID _____
Assessor Name: _____		Analyst Name: _____		Inspection Date _____	
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Are samples collected in glass bottles only?	8.1				
Are samples preserved with sulfuric acid to pH <2 and cooled to 4°C at the time of collection?	8.2				
Are samples analyzed within 28 days of collection?	8.3				
Is 4-aminoantipyrine color reagent stored in glass and made fresh daily?	7.1				
Is buffered potassium ferricyanide stored in glass and made fresh weekly?	7.1				
Are samples pretreated by adjusting a 500 mL aliquot to pH~4 with 1+9 NaOH or 1+9 H ₂ SO ₄ and then transferring to the distillation apparatus?	11.1.1				
Is a 450 mL portion of sample distilled, the distillation stopped, and when boiling ceases, is 50 mL of warm reagent water added to the flask? Resume distillation until 500 mL have been collected.	11.1.2				
If turbid, is the distillate filtered through a prewashed membrane filter?	11.1.3				
Are working standards prepared fresh daily? (<i>The method does not require distillation of standards.</i>)	7.2				
Is a second source QCS (or LCS) analyzed with each batch and the recovery within lab established limits?	9.3.4, 9.7				
Is a LRB analyzed with each batch of 20 samples and determined to be less than the Minimum Level? (<i>Method does not define minimum level- use MDL per EPA 420.4.</i>)	9.4				
Are a minimum of 10 percent of all samples (one per batch of 10) spiked in duplicate, and do the % recovery and RPD results meet current lab acceptance criteria?	9.3				
Notes/Comments:					

**Total Recoverable Phenolics by Flow Injection Colorimetry- LATCHAT
QuickChem Method 10-210-00-1-B**

Facility Name: _____ VELAP ID _____

Assessor Name: _____ Analyst Name: _____ Inspection Date _____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Is calibration verified by a midrange calibration standard every ten samples or every batch, and is its recovery within $\pm 10\%$?	10.7, 10.8				
Is the MDL established per 40 CFR 136? <i>An MDL less than or equal to 0.0013 must be achieved.</i>	9.2.1, 1.3				
Is the instrument allowed to equilibrate until a stable baseline is achieved?	11.2.4				
If samples are over-range, are they diluted and reanalyzed?	12.2				

Notes/Comments: